

American Standard

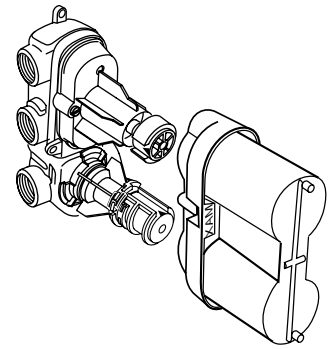
CERATHERM

**CENTRAL THERMOSTAT
with VOLUME CONTROL**

*Thank you for selecting American-Standard...the benchmark
of fine quality for over 100 years.*

*To ensure that your installation proceeds smoothly—please
read these instructions carefully before you begin.*

**Installation
Instructions
R540**

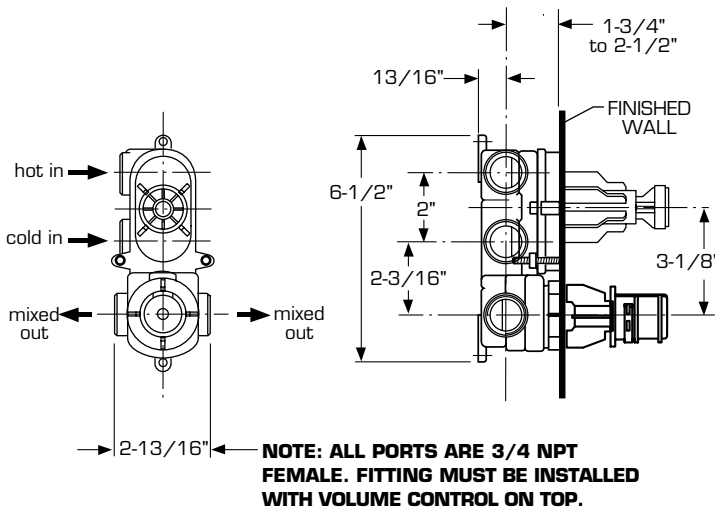


Certified to comply with ANSI A112.18.1M
ASSE 1016

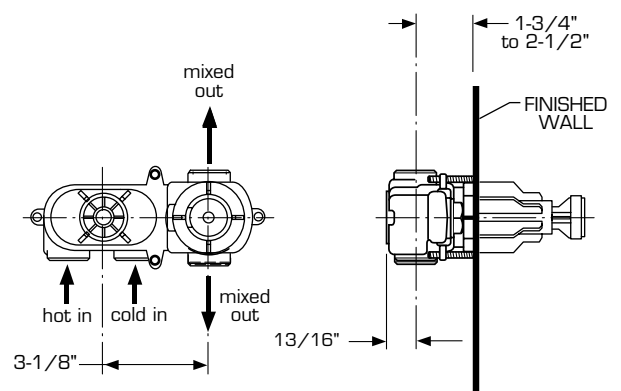
M968257

ROUGHING-IN DIMENSIONS

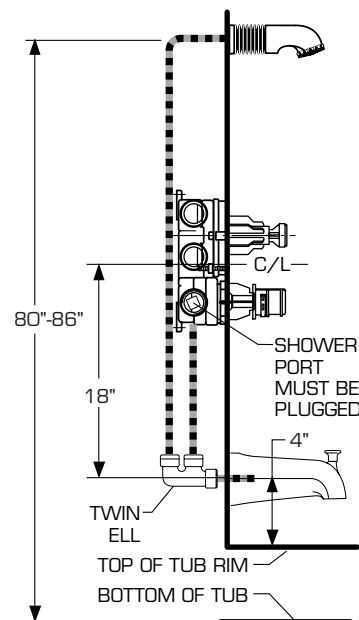
VERTICAL



HORIZONTAL



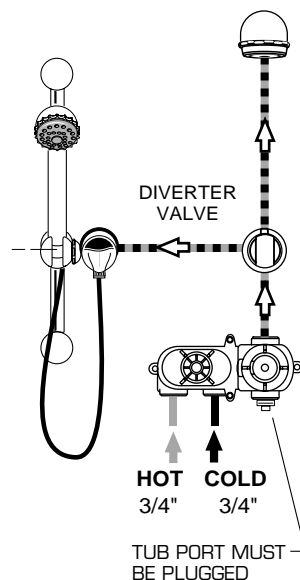
**THERMOSTATIC BATH/
SHOWER INSTALLATION
USING A TWIN ELL, DIVERTER
SPOUT AND FIXED SHOWER**



THERMOSTATIC VALVE INSTALLED
IN THE VERTICAL POSITION

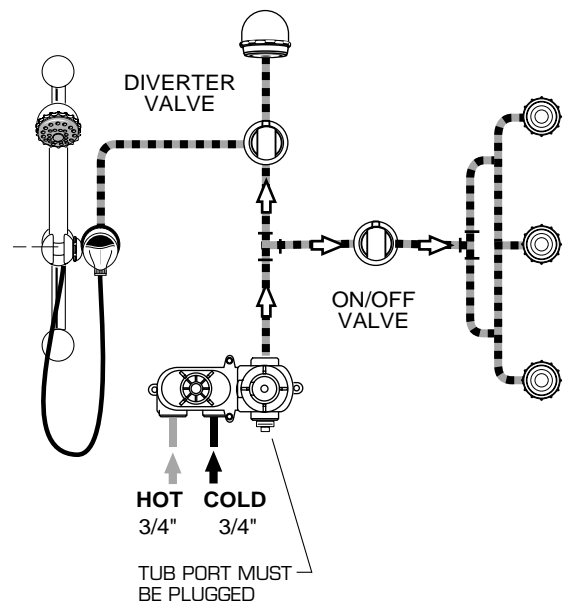
**IMPORTANT: WHEN NOT USING A
DIVERTER SPOUT A SEPARATE
DIVERTER VALVE MUST BE USED.**

**THERMOSTATIC SHOWER INSTALLATION
USING A DIVERTER VALVE, FIXED
SHOWER HEAD AND ADJUSTABLE
HAND HELD SHOWER**



THERMOSTATIC VALVE INSTALLED
IN THE HORIZONTAL POSITION

**THERMOSTATIC SHOWER INSTALLATION USING A
DIVERTER VALVE, FIXED SHOWER HEAD, ADJUSTABLE
HAND HELD SHOWER, ON/OFF VALVE AND THREE
BODY SPRAYS**



THERMOSTATIC VALVE INSTALLED
IN THE HORIZONTAL POSITION

1

ROUGHING-IN THE VALVE

CAUTION

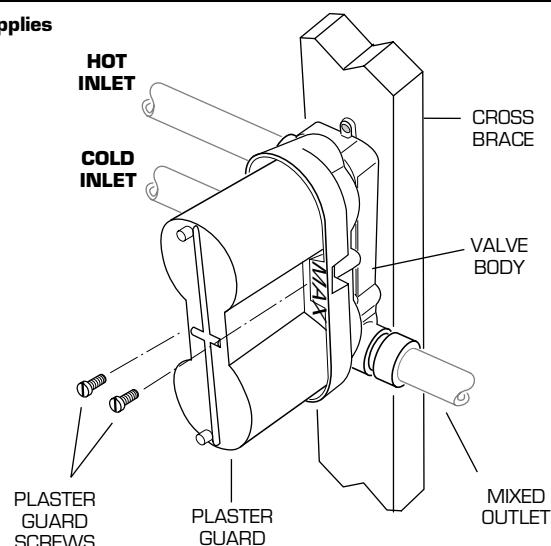
Turn off hot and cold water supplies before beginning.

- Decide on desired configuration.
- Prepare water supplies per ROUGHING-IN DIMENSIONS.
- Install VALVE at indicated height and depth.
- Connect HOT water supply to inlet marked with the RED DOT and COLD water supply to inlet marked with the BLUE DOT.
- Assemble the CONNECTING PIPE to one of the MIXED OUTLETS of the VALVE.
Note: The tub port is fitted with a plug at the factory.
- Important! Install any required shut off or diverter valves into the piping system.

WARNING

DO NOT SOLDER DIRECTLY TO THE VALVE BODY; THIS WILL DAMAGE THE TEMPERATURE CONTROL ELEMENT.

- Secure VALVE body to cross brace of wall structure.



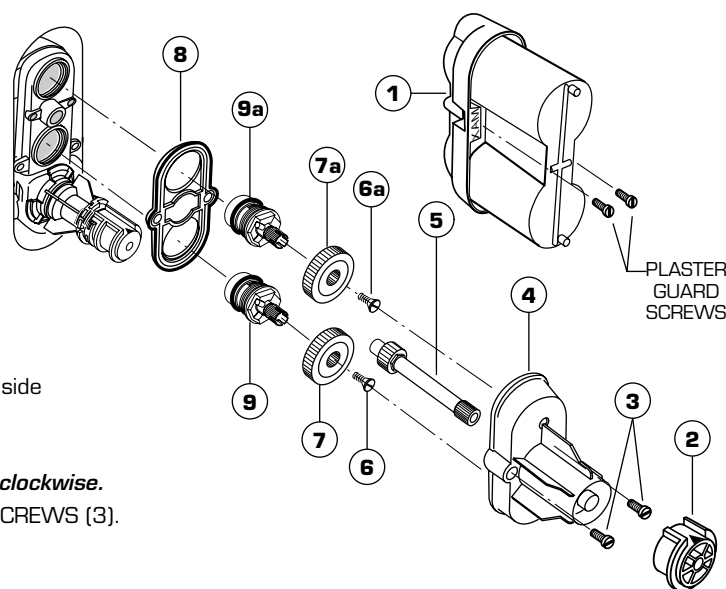
2

FLUSHING THE VALVE

CAUTION

Turn off hot and cold water supplies before beginning.

- Water should be flushed through the piping to prevent clogging of the *Thermal Element*.
- Remove PLASTER GUARD (1).
- Turn ADAPTER (2) on volume control clockwise until it reaches the stop.
- Pull off ADAPTER (2).
- Remove CLUTCH COVER SCREWS (3) and CLUTCH COVER (4).
- Pull out CLUTCH DRIVE SHAFT (5).
- Loosen the SCREWS (6) in the center of the GEARS (7). Remove the GEARS (7) and BACK PLATE (8).
- Remove the COLD CARTRIDGE (9) using a 22mm socket wrench.
- Turn on **MAIN COLD WATER SUPPLY** to flush line.
- Reassemble COLD CARTRIDGE (9) and repeat flushing steps for HOT side (9a).
- Replace BACK PLATE (8). Assemble both GEARS (7) with the flat side facing BACK PLATE (8) and tighten SCREWS (6).



IMPORTANT:

- Close both CARTRIDGES (9, 9a) by rotating GEARS (7) counterclockwise.
- Replace CLUTCH DRIVE SHAFT (5) and CLUTCH COVER (4) with SCREWS (3).
- Turn VOLUME CONTROL HANDLE 180° to synchronize the HOT and COLD CARTRIDGES.
- Turn on water supply and check for leaks.

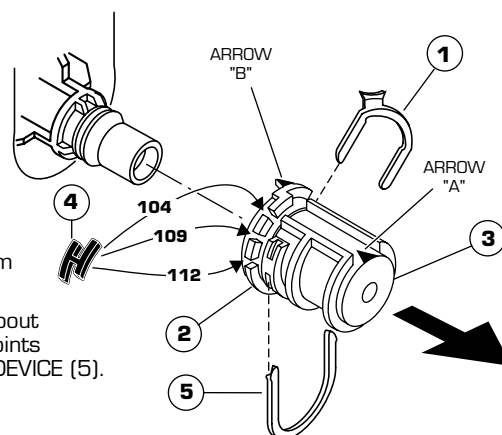
3

TEMPERATURE CALIBRATION

- Check that arrow marking B points vertically upwards. If not, push the BLACK CLAMP (1) on the SECURING RING (2) to the right, pull off KNOB MOUNT (3) and reinstall KNOB MOUNT (3) with arrow "B" pointing vertically upwards.

SET HOT LIMIT STOP

- The maximum mixed water temperature is set at 109° F at the factory. This setting can be changed if desired.
- Remove the TEMPERATURE LIMIT STOP (4) (H shaped Black Plastic part). Reinstall it at the desired notch as indicated in the diagram to limit the maximum mixed water temperature to 104° F or 112° F.
- For 100° F adjustment, turn the water supply on. Turn KNOB MOUNT (3) until the spout temperature is 100° F. Check that arrow marking A on the KNOB MOUNT (3) still points upward after adjusting the thermostat to 100° F. If not, pull out the RED LOCKING DEVICE (5). Remove KNOB MOUNT (3) without turning by sliding out as indicated by the arrow.
- Reinstall the KNOB MOUNT (3) so that the arrow marking A points upwards.
- Reinstall RED LOCKING DEVICE (5).

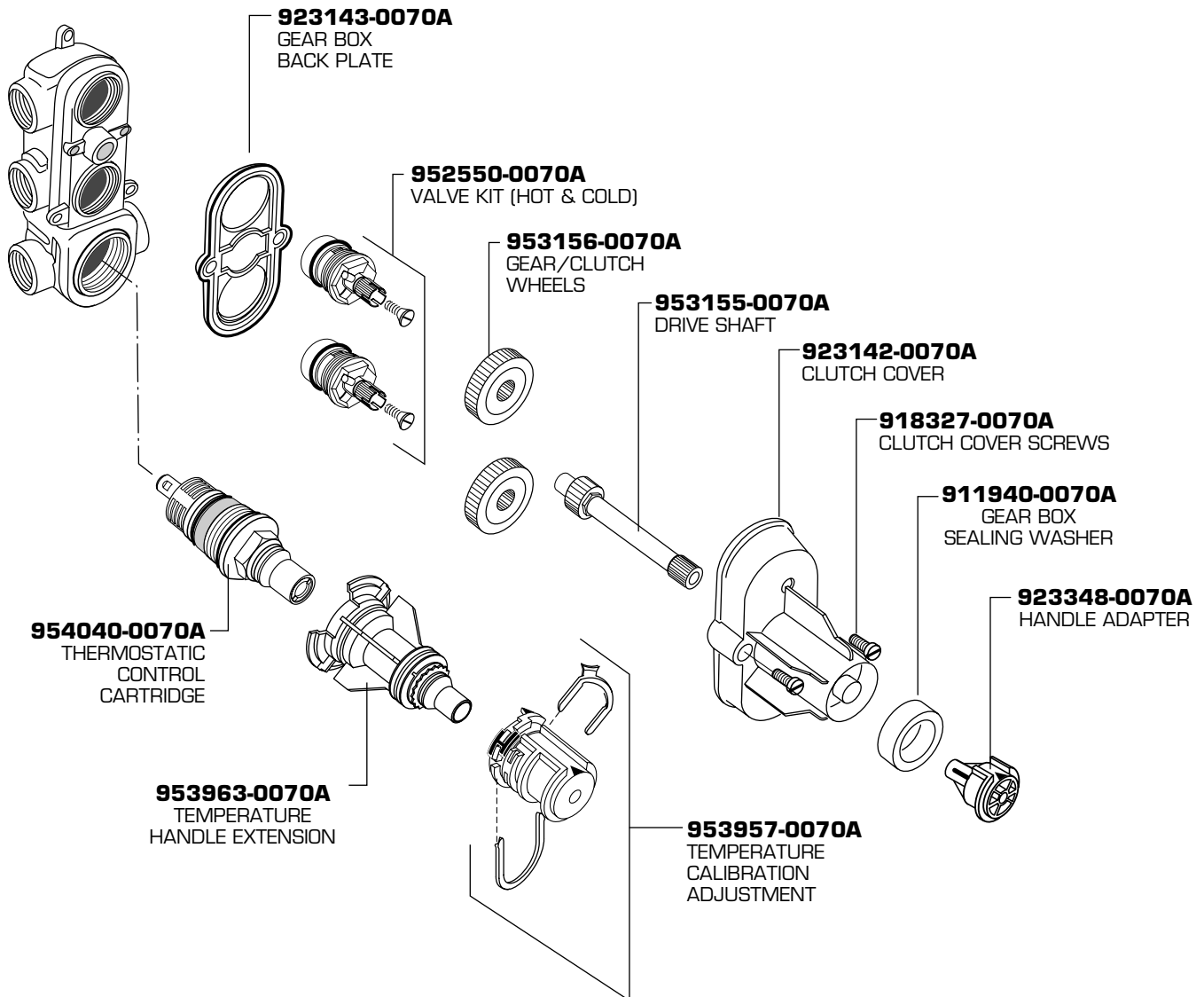


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CERATHERM
CENTRAL THERMOSTAT
WITH VOLUME CONTROL

MODEL NUMBER

R540



HOT LINE FOR HELP

For toll-free information and answers to your questions, call:

1-800 442-1902

Weekdays 8:00 a.m. to 8:00 p.m. EST

IN CANADA 1-800-387-0369 (TORONTO 1-905-306-1093)

Weekdays 8:00 a.m. to 7:00 p.m. EST

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